Amendments to the Abstract

Please delete the current abstract and replace it with the following on a separate page:

-- Continuous-time filter system with self-calibration means. The system comprises a master control unit (36) and a slave unit with one or more slave filters (27.1 – 27.n). The master control unit (36) comprises an integrator (30) having circuit elements (33, C) which match those elements of the slave filter (27.1 – 27.n) that define the slave filter's time constant (τ). Furthermore, the master control unit (36) comripses a voltage comparator (35) connected to an output (34) of the integrator (30), the voltage comparator (35) providing an output frequency signal (f_{com}), and a phase frequency comparator (PFC; 28) providing a control signal (υ) as output signal, the phase frequency comparator (PFC; 28) receiving said output frequency signal (f_{com}) and a reference frequency signal (f_{ref}) as input signals. The slave unit comprises said at least one slave filter (27.1 – 27.n), the slave filter (27.1 – 27.n) having a control signal input (41) for receiving said control signal (υ) thus allowing to calibrate the slave filter's transfer function by influencing the slave filter's time constant (τ).--